

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P757148

Luminaire Tested: LD6D02D010-EU6DR300210IC9030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR300210IC9030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 285.0 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



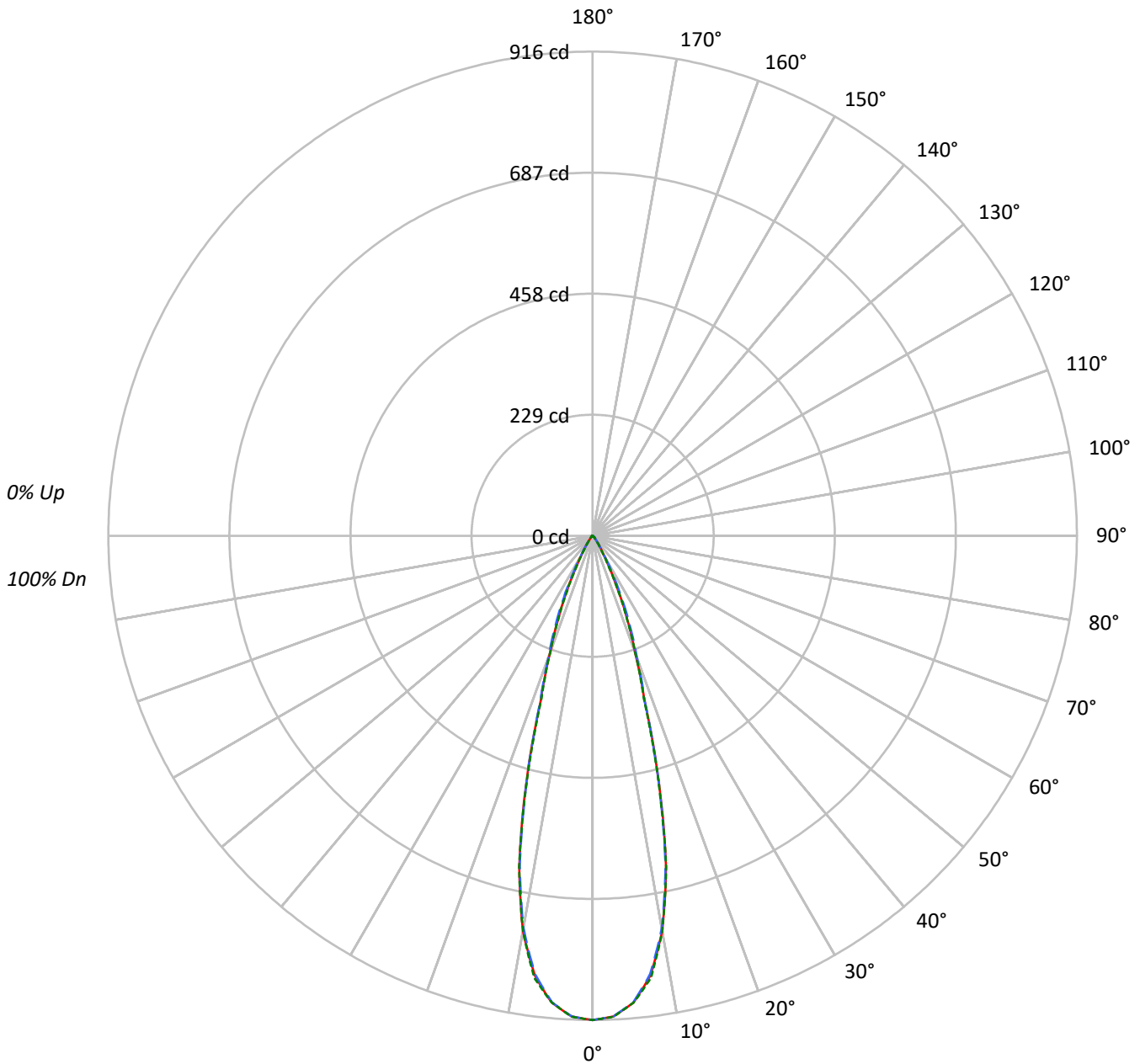
Downlight



TEST NUMBER: P757148

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9030-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P757148

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9030-6LBDP1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70137	70137	70137
5°	68123	68046	68123
10°	59008	58589	58993
15°	38497	38290	38100
20°	19142	19859	19118
25°	9645	10870	9442
30°	3862	4207	3359
35°	1785	1710	1439
40°	769	859	729
45°	541	671	552
50°	179	488	202
55°	107	200	120
60°	77	92	77
65°	54	54	54
70°	22	22	22
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 671 cd/sqm



TEST NUMBER: P757148

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9030-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	28.3
10°-20°	129.8	45.5
20°-30°	56.1	19.7
30°-40°	12.8	4.5
40°-50°	4.4	1.5
50°-60°	1.1	0.4
60°-70°	0.3	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	266.4	93.5
0°-40°	279.2	98.0
0°-60°	284.6	99.9
0°-90°	285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	887	886	886	887	887	81
15°	486	480	483	482	481	130
25°	114	118	129	116	112	55
35°	19	20	18	18	15	13
45°	5	6	6	6	5	4
55°	1	1	2	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P757148

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9030-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	916.3	916.3	916.3	916.3	916.3
2.5°	910.2	909.6	910.0	910.4	910.6
5°	886.6	885.7	885.6	887.4	886.6
7.5°	839.0	837.7	835.9	840.1	844.0
10°	759.2	757.8	753.8	755.8	759.0
12.5°	641.3	636.9	636.9	643.2	642.3
15°	485.8	480.0	483.2	481.6	480.8
17.5°	326.7	324.5	328.8	327.4	321.8
20°	235.0	235.6	243.8	239.7	234.7
22.5°	171.5	173.6	183.3	172.7	168.8
25°	114.2	118.5	128.7	115.5	111.8
27.5°	70.2	72.2	82.6	69.3	67.3
30°	43.7	42.7	47.6	40.9	38.0
32.5°	28.6	27.4	29.0	26.0	23.8
35°	19.1	19.6	18.3	18.2	15.4
37.5°	12.0	13.8	12.1	12.9	9.9
40°	7.7	10.0	8.6	9.5	7.3
42.5°	6.4	7.7	7.0	7.5	6.5
45°	5.0	6.2	6.2	6.2	5.1
47.5°	2.8	4.2	5.3	4.3	3.0
50°	1.5	2.1	4.1	2.2	1.7
52.5°	1.1	1.2	2.8	1.3	1.1
55°	0.8	0.9	1.5	0.9	0.9
57.5°	0.6	0.7	0.8	0.7	0.6
60°	0.5	0.5	0.6	0.5	0.5
62.5°	0.3	0.3	0.4	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.1	0.2	0.2	0.2	0.2
70°	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)